Table ENG-2. - Construction Materials

Powhatan County, Virginia

The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

Map Symbol and Soil Name	Pct of	Potential Sourc of Reclaimation Ma		Potential Source of Roadfill	е	Potential Source of Topsoil	е
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:					•		
Abell	75	Fair Low content of organic matter	0.13	Poor Low strength	0.00	Fair Depth to saturated zone	0.98
		Too acid	0.54	Depth to saturated zone Shrink-swell	0.98	Too acid	0.98
Chewacla	3	Not Rated		Not Rated	0.00	Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
2B:							
Altavista	80	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength Depth to saturated	0.00 0.53	Depth to saturated zone	0.53
		Too acid	0.21	zone		Too acid	0.76
3B:							
Appling	75	Poor		Good		Poor	
		Too clayey Low content of organic matter	0.00 0.13			Too Clayey Too acid	0.00 0.88
		Too acid	0.50				
Partlow	3	Not Rated		Not Rated		Not Rated	
3C:							
Appling	85	Poor		Good		Poor	
		Too clayey	0.00			Too Clayey	0.00
		Low content of organic matter	0.13			Slope Too acid	0.63 0.88
		Too acid	0.50			100 4014	0.00
Chewacla	3	Not Rated		Not Rated		Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
4:							
Augusta	85	Fair		Poor		Fair	
		Low content of organic matter	0.13	Low strength Depth to saturated	0.00 0.14	Depth to saturated zone	0.14
		Too acid Water erosion	0.54 0.90	zone		Too acid	0.98
5B:							

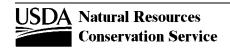
Map Symbol and Soil Name	Pct of	Potential Source of Reclaimation Ma		Potential Source of Roadfill	÷	Potential Source of Topsoil	e
and son Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5B:		•					
Buncombe	85	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Too sandy Low content of organic matter	0.00 0.13				
6B2:							
Cecil	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of	0.02			Too acid	0.88
		organic matter Too acid	0.32				
6C2:	0.0	5					
Cecil	80	Poor	0.00	Poor	0.00	Poor Clavey	0.00
		Too clayey Low content of	0.00	Low strength	0.00	Too Clayey Slope	0.63
		organic matter	0.02			Too acid	0.88
		Too acid	0.32				
Chewacla	3	Not Rated		Not Rated		Not Rated	
Partlow	3	Not Rated		Not Rated		Not Rated	
7:							
Chenneby	75	Fair		Poor		Fair	
		Low content of organic matter	0.50	Low strength	0.00	Depth to saturated zone	0.29
		Too acid	0.54	Depth to saturated zone	0.29	Too Clayey	0.64
		Too clayey	0.98	200		Too acid	0.98
Forestdale	3	Not Rated		Not Rated		Not Rated	
Ponded soils	3	Not Rated		Not Rated		Not Rated	
8:							
Chewacla	80	Fair		Poor		Poor	
		Too acid Water erosion	0.68 0.99	Depth to saturated zone	0.00	Depth to saturated zone	0.00
Ponded soils	5	Not Rated		Not Rated		Not Rated	
Forestdale	4	Not Rated		Not Rated		Not Rated	
9B:							
Creedmoor	90	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.12	Depth to saturated	0.00	Depth to saturated	0.00
		Low content of organic matter	0.13	zone Shrink-swell	0.17	zone Too acid	0.60
		3		2			3.00

Map Symbol and Soil Name	Pct of	Potential Source of Reclaimation Ma		Potential Source of Roadfill	e	Potential Source of Topsoil	
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	0.00 0.60 0.76 0.00 0.60 0.63 0.00
9B:							•
Partlow	3	Not Rated		Not Rated		Not Rated	
10A:							
Dogue	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Depth to saturated zone	0.76	Too acid	0.60
		Too acid	0.50	Shrink-swell	0.87	Depth to saturated zone	0.76
10B:							
Dogue	80	Poor		Poor		Poor	
3		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of	0.13	Depth to saturated	0.76	Too acid	0.60
		organic matter Too acid	0.50	zone Shrink-swell	0.87	Depth to saturated zone	0.76
10C:							
Dogue	90	Poor		Poor		Poor	
Dogue	00	Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of	0.13	Depth to saturated	0.76	Too acid	0.60
		organic matter Too acid	0.50	zone Shrink-swell	0.87	Slope	0.63
11B:							
Enon	85	Poor		Poor		Poor	
Lilon	00	Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	. de elayey	0.00
		Too acid	0.84				
11C:							
Enon	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13	Slope	0.63
		Too acid	0.84				
12:							
Forestdale	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Too acid	0.54	Depth to saturated	0.04	Depth to saturated	0.04
		Water erosion	0.99	zone Shrink-swell	0.15	zone Too acid	0.98
Ponded soils	5	Not Rated		Not Rated		Not Rated	
	-					<i>y</i> • • • • • • •	
13B:							



Map Symbol and Soil Name	Pct of	Potential Sourc of Reclaimation Ma		Potential Source of Roadfill	e	Potential Source of Topsoil	e
and doil Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
13B:	=0	5		5		5	
Helena	50	Poor	0.00	Poor	0.00	Poor	0.00
		Too clayey Too acid	0.00 0.12	Low strength Shrink-swell	0.00 0.13	Too Clayey Depth to saturated	0.00 0.14
		Low content of	0.12	Depth to saturated	0.13	zone	0.14
		organic matter		zone		Too acid	0.60
Enon	25	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.13		
		Too acid	0.84				
14B:							
Kempsville	80	Fair		Good		Poor	
		Low content of organic matter	0.13			Rock fragments Too acid	0.00 0.88
		Too acid	0.32			100 acid	0.00
		Droughty	0.99				
15B:							
Mayodan	85	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Too acid	0.88
		Too acid	0.32				
15C:							
Mayodan	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.87	Slope Too acid	0.63 0.88
		Too acid	0.32			100 acid	0.00
Partlow	3	Not Rated		Not Rated		Not Rated	
16C:							
Pacolet	80	Poor		Poor		Poor	
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00
		Low content of	0.13			Slope	0.63
		organic matter Too acid	0.54			Too acid	0.98
Partlow	3	Not Rated		Not Rated		Not Rated	
Tartow	Ü	Not Nated		Not Nated		Not Rated	
16D: Pacolet	85	Poor		Poor		Door	
raculet	65		0.00	Low strength	0.00	Poor Slope	0.00
		Too clayey Low content of	0.00	Slope	0.50	Too Clayey	0.00
		organic matter	0.10	Siope	0.50	Too clayey Too acid	0.00
		Too acid	0.54				

Map Symbol	Pct	Potential Source of Reclaimation Ma		Potential Source of Roadfill	Э	Potential Source of Topsoil	е	
and Soil Name	of							
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	0.00 0.00 0.00 0.00 0.00 0.96 0.00 0.96	
17D3:								
Pacolet	85	Poor		Poor		Poor		
		Too clayey	0.00	Low strength	0.00	Slope	0.00	
		Low content of organic matter	0.13	Slope	0.50	Too Clayey Too acid	0.00 0.98	
		Too acid	0.54					
7E3:								
Pacolet	85	Poor		Poor		Poor		
		Too clayey	0.00	Slope	0.00	Slope	0.00	
		Low content of	0.13	Low strength	0.00	Too Clayey	0.00	
		organic matter				Too acid	0.98	
		Too acid	0.54					
8B3:								
Pacolet	90	Poor		Poor		Poor		
		Too clayey	0.00	Low strength	0.00	Too Clayey	0.00	
		Low content of organic matter	0.13	Ü		Too acid	0.98	
		Too acid	0.54					
8C3:								
Pacolet	85	Poor		Poor		Poor		
Tubblet	00	Too clayey	0.00	Low strength	0.00	Too Clayey	0.00	
		Low content of organic matter	0.13	Low strongth	0.00	Slope Too acid	0.63	
		Too acid	0.54			100 4014	0.00	
19:								
Partlow	85	Fair		Poor		Poor		
raillow	05	Low content of organic matter	0.13	Depth to saturated zone	0.00	Depth to saturated zone	0.00	
		Too acid	0.32	20110		Too acid	0.88	
20:								
Pits	100	Not Rated		Not Rated		Not Rated		
21B:								
Poindexter	80	Fair		Poor		Fair		
		Droughty	0.82	Depth to bedrock	0.00	Depth to bedrock	0.99	
		Too acid	0.97	2001110 20010011	0.00	2001110000000	0.00	
		Depth to bedrock	0.99					
21C:								
Poindexter	80	Fair		Poor		Fair		
FUIIUEXIEI	00		0.00		0.00		0.00	
		Droughty Too acid	0.82 0.97	Depth to bedrock	0.00	Slope Depth to bedrock	0.63 0.99	
		Depth to bedrock	0.97			Dehiii io pediock	0.98	
		Deptil to bedlock	0.99					



Map Symbol and Soil Name	Pct of	Potential Source of Reclaimation Ma		Potential Source of Roadfill	9	Potential Source of Topsoil	e
	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21D:							
Poindexter	80	Fair		Poor		Poor	
		Droughty	0.82	Depth to bedrock	0.00	Slope	0.00
		Too acid Depth to bedrock	0.97 0.99	Slope	0.50	Depth to bedrock	0.99
21E:							
Poindexter	80	Fair		Poor		Poor	
		Droughty	0.82	Depth to bedrock	0.00	Slope	0.00
		Too acid	0.97	Slope	0.00	Depth to bedrock	0.99
		Depth to bedrock	0.99				
22:							
Toccoa	85	Fair	0.04	Good		Good	
		Too acid	0.84				
23B:	00	5				5	
Trenholm	80	Poor	0.00	Fair	0.50	Poor	0.00
		Too clayey Low content of	0.00 0.13	Depth to saturated zone	0.53	Too Clayey Depth to saturated	0.00 0.53
		organic matter	0.13	Shrink-swell	0.94	zone	0.55
		Too acid	0.50			Too acid	0.98
23C:							
Trenholm	80	Poor		Fair		Poor	
		Too clayey	0.00	Depth to saturated	0.53	Too Clayey	0.00
		Low content of	0.13	zone	0.04	Depth to saturated	0.53
		organic matter Too acid	0.50	Shrink-swell	0.94	zone Slope	0.63
24A:							
Turbeville	85	Poor		Fair		Poor	
		Too clayey	0.00	Low strength	0.22	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.94	Too acid	0.88
		Too acid	0.50				
24B2:							
Turbeville	80	Poor		Fair		Poor	
		Too clayey	0.00	Low strength	0.22	Too Clayey	0.00
		Low content of organic matter	0.13	Shrink-swell	0.94	Too acid	0.88
		Too acid	0.50				
25C:							
Turbeville	80	Poor		Fair		Poor	
		Too clayey	0.00	Low strength	0.22	Too Clayey	0.00
		Low content of	0.13	Shrink-swell	0.94	Slope	0.63
		organic matter	0.50			Too acid	0.88
		Too acid	0.50				

Map Symbol and Soil Name	Pct of	Potential Source of Reclaimation Ma		Potential Source of Roadfill	Potential Source Potential Sou of Roadfill of Topsoil		rce	
and con Name	Map Unit	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	
25C:	.				.			
Partlow	3	Not Rated		Not Rated		Not Rated		
25D:								
Turbeville	80	Poor		Fair		Poor		
		Too clayey	0.00	Low strength	0.22	Slope	0.00	
		Low content of	0.13	Slope	0.50	Too Clayey	0.00	
		organic matter Too acid	0.50	Shrink-swell	0.94	Too acid	0.88	
26:								
Udorthents	80	Not Rated		Not Rated		Not Rated		
27B:								
Wedowee	85	Poor		Good		Poor		
		Too clayey	0.00			Too Clayey	0.00	
		Low content of organic matter	0.13			Too acid	0.60	
		Too acid	0.50					
27C:								
Wedowee	85	Poor		Good		Poor		
		Too clayey	0.00			Too Clayey	0.00	
		Low content of organic matter	0.13			Too acid	0.60	
		Too acid	0.50			Slope	0.63	
Partlow	3	Not Rated		Not Rated		Not Rated		
27D:								
Wedowee	85	Poor		Fair		Poor		
		Too clayey	0.00	Slope	0.50	Slope	0.00	
		Low content of	0.13			Too Clayey	0.00	
		organic matter Too acid	0.50			Too acid	0.60	
Partlow	3	Not Rated		Not Rated		Not Rated		
DAM:								
Dam	100	Not Rated		Not Rated		Not Rated		
W:								
Water	100	Not Rated		Not Rated		Not Rated		